

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

First Lien Patent Security Agreement

CONVEYING PARTY DATA

Name	Execution Date
Quintiles Transnational Corp.	03/28/2011
Targeted Molecular Diagnostics, LLC	03/28/2011

RECEIVING PARTY DATA

Name:	Citicorp North America, Inc., as Collateral Agent
Street Address:	390 Greenwich Street
City:	New York
State/Country:	NEW YORK
Postal Code:	10013

PROPERTY NUMBERS Total: 8

Property Type	Number
Application Number:	12705816
Application Number:	12791569
Application Number:	12792027
Application Number:	12878163
Application Number:	12878156
Application Number:	61310030
Application Number:	12908616
Application Number:	12908501

CORRESPONDENCE DATA

Fax Number: (302)636-5454

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-408-3121 x2348

Email: jpaterso@cscinfo.com

Correspondent Name: Corporation Service Company-J.Paterson

Address Line 1: 1090 Vermont Avenue NW, Suite 430

501502200

PATENT
REEL: 026133 FRAME: 0360

CH \$320.00 12705816

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:

745281-5

NAME OF SUBMITTER:

Jean Paterson

Total Attachments: 8

source=4-15-11 Quintiles Transactional-PT#page1.tif

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FIRST LIEN PATENT SECURITY AGREEMENT

FIRST LIEN PATENT SECURITY AGREEMENT, dated as of the 28th day of March, 2011, by Quintiles Transnational Corp., a North Carolina corporation (the "Borrower"), and Targeted Molecular Diagnostics, LLC, an Illinois limited liability company ("TMD" and, together with the Borrower, the "Grantors") in favor of Citicorp North America, Inc., in its capacity as collateral agent pursuant to the Credit Agreement (as defined in the Security Agreement, defined below), as pledgee, assignee and secured party (in such capacities and together with any successors in such capacities, the "Collateral Agent").

WHEREAS, each of the Grantors has, pursuant to that certain first lien security agreement dated as of March 31, 2006 (as supplemented from time to time, the "Security Agreement"; capitalized terms used but not defined herein having the meaning assigned to such term in the Security Agreement), granted to the Collateral Agent for the benefit of the Secured Parties a security interest in and to all of the right, title and interest of such Grantor, in, to and under the Collateral, including with respect thereto, the Patents, as collateral security for the payment and performance in full when due of the Secured Obligations; and

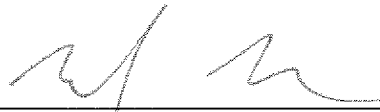
WHEREAS, each of the Grantors and the Collateral Agent wish to further memorialize the security interest described above as it relates to the Patents identified in Schedule A, attached hereto, and incorporated herein by this reference, including but not limited to all products and proceeds thereof;

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, each of the Grantors hereby grants unto the Collateral Agent a security interest in and lien on all of its right, title and interest in the Patents identified in Schedule A, as collateral security for the payment and performance in full when due of the Secured Obligations.

[Signature page follows]

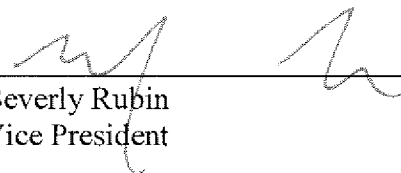
IN WITNESS WHEREOF, each of the Grantors has executed this First Lien Patent Security Agreement as an instrument as of the date first written above.

QUINTILES TRANSNATIONAL CORP.

By: 
Name: Beverly Rubin
Title: Vice President

TARGETED MOLECULAR DIAGNOSTICS,
LLC

By: QUINTILES LABORATORIES LIMITED,
as sole Member and Manager

By: 
Name: Beverly Rubin
Title: Vice President

[Signatures continue on next page]

First Lien Patent Security Agreement

PATENT
REEL: 026133 FRAME: 0363

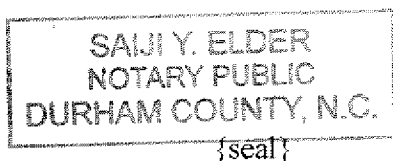
ACKNOWLEDGMENT OF GRANTOR

STATE OF North Carolina)

ss.

COUNTY OF Durham)

On this 28th day of March, 2011, before me personally appeared Beverly Rubin, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of QUINTILES TRANSNATIONAL CORP., who being by me duly sworn did depose and say that he/she is an authorized officer of said corporation, that the said instrument was signed on behalf of said corporation as authorized by its Board of Directors and that he/she acknowledged said instrument to be the free act and deed of said corporation.



Saiji Y. Elder
Notary Public
My Commission Expires: 2-7-2015

[Signatures continue on next page]

First Lien Patent Security Agreement

PATENT
REEL: 026133 FRAME: 0364

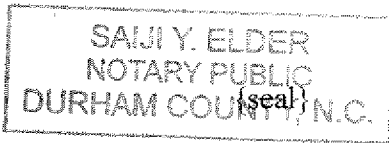
ACKNOWLEDGMENT OF GRANTOR

STATE OF North Carolina)

COUNTY OF Durham)

ss.

On this 29th day of March, 2011 before me personally appeared Beverly Rubin, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of TARGETED MOLECULAR DIAGNOSTICS, LLC, who being by me duly sworn did depose and say that he/she is an authorized officer of Quintiles Laboratories Limited, the sole member and manager of said company, that the said instrument was signed on behalf of said company as authorized by its sole member and manager and that he/she acknowledged said instrument to be the free act and deed of said company.



Saiji Y. Elder
Notary Public
My Commission Expires: 2-7-2015

[Signatures continue on next page]

First Lien Patent Security Agreement

PATENT
REEL: 026133 FRAME: 0365

Acknowledged and Agreed:

CITICORP NORTH AMERICA, INC.

By: Susan Amrhein

Name: SUSAN AMRHEIN

Title: VICE PRESIDENT

Second Lien Patent Security Agreement

PATENT
REEL: 026133 FRAME: 0366

SCHEDULE A

to

FIRST LIEN PATENT SECURITY AGREEMENT

Applications:

OWNER	APPLICATION NUMBER	APPLICATION DATE	COUNTRY	DESCRIPTION
Quintiles Transnational Corp.	12/705,816	2/15/10	US	System and Method for Managing Medical Data
Targeted Molecular Diagnostics	12/791,569	6/01/2010	US	Methods for the Detection and Quantitation of PTEN
Targeted Molecular Diagnostics	12/792,027	6/02/2010	US	Methods for the Detection and Quantitation of the p95 Component of Her2/Neu (ERBB2)
Targeted Molecular Diagnostics	12/878,163	9/09/2010	US	Methods and Compositions for the Treatment of Receptor Tyrosine Kinase Mediated Diseases or Disorders
Targeted Molecular Diagnostics	12/878,156	9/09/2010	US	Methods for Predicting Responsiveness of a Disease or Disorder to a Receptor Tyrosine Kinase Inhibitor by Analysis of Mutations in PIK3CA
Targeted Molecular Diagnostics	61/310,030	3/03/2010	US	METHODS AND MATERIALS FOR PREDICTING RESPONSIVENESS TO A DRUG BASED UPON DETECTION OF RAS MUTATION AND RAS AMPLIFICATION
Quintiles Transnational Corp.	12/908,616	10/20/10	US	Systems and Processes for Managing and Supporting Regulatory Submissions in Clinical Trials
Quintiles Transnational Corp.	12/908,501	10/20/10	US	Systems and Methods for Managing Clinical Trial Site Visit Reports